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मानक

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Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

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“Step Out From the Old to the New”

IS 2874 (1993): Textiles - Heavy cee jute bags [TXD 3: Jute and Jute Products]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

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“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”



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भारतीय मानक

वस्त्रादि — हैवी-सी पटसन के बोरे — विशिष्ट

( पहला पुनरीक्षण )

*Indian Standard*

TEXTILES — HEAVY CEE JUTE BAGS —  
SPECIFICATION

( *First Revision* )

UDC 621.798.15 : [ 677.13 ]

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**BUREAU OF INDIAN STANDARDS**  
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG  
NEW DELHI 110002

**FOREWORD**

**This Indian Standard ( First Revision ) was adopted by the Bureau of Indian Standards after the draft finalized by the Jute and Jute Products Sectional Committee has been approved by the Textile Division Council.**

**This standard was first published in 1964 and is being revised so as to align the general requirements and criteria of conformity with those specified in IS 9113 : 1992 Textiles — Jute sacking — General requirements ( *first revision* ).**

**For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 1960 'Rules for rounding off numerical values ( *revised* )'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.**

**AMENDMENT NO. 1 OCTOBER 2005**  
**TO**  
**IS 2874 : 1993 TEXTILES — HEAVY CEE JUTE BAGS —**  
**SPECIFICATION**  
*(First Revision)*

[Page 2, Table 2, Sl No. (vi), Under 'Requirement'] — Substitute '3' for '8.0'.

(TX 03)

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Reprography Unit, BIS, New Delhi, India

# Indian Standard

## TEXTILES — HEAVY CEE JUTE BAGS — SPECIFICATION

( *First Revision* )

### 1 SCOPE

This standard prescribes constructional details and other requirements of heavy cee jute bags.

### 2 REFERENCES

The following Indian Standards are necessary adjuncts to this standard:

<i>IS No.</i>	<i>Title</i>
1954 : 1969	Methods for determination of length and width of fabrics ( <i>first revision</i> )
1963 : 1981	Method for determination of threads per unit length in woven fabrics ( <i>second revision</i> )
1969 : 1985	Methods for determination of breaking load and elongation of woven textile fabrics ( <i>second revision</i> )
1987 : 1991	Textiles — Packaging of jute products in bales — Specification ( <i>first revision</i> )
1969 : 1974	Method for determination of oil content of jute yarn and fabrics ( <i>first revision</i> )
3751 : 1992	Specification for heavy cee cloth ( <i>first revision</i> )
5476 : 1986	Glossary of terms relating to jute ( <i>first revision</i> )
9030 : 1979	Method for determination of seam strength of jute fabrics including their laminates
9113 : 1993	Textiles jute sacking — General requirements ( <i>first revision</i> )

### 3 TERMINOLOGY

For the purpose of this standard, the definitions given in IS 5476 : 1986 shall apply.

### 4 GENERAL REQUIREMENTS

#### 4.1 Sacking

The bags shall be made from single pieces of heavy cee jute cloth conforming to the

requirements laid down in IS 3751 : 1992 and the warp running along the length of the bags.

#### 4.2 Seam

The sides of the bags shall be sewn with overhead or herakle stitches on selvedge through two layers of sacking as specified in IS 9113 : 1993 using two strands of 3 ply jute twine of 380 tex × 3. The number of stitches per decimetre at the sides shall be between 9 and 11.

#### 4.3 Safety Stitch

A line of safety union stitch shall be provided at the inner edges of the overhead stitches using jute twine of 310 tex × 2 (*see also* IS 9113 : 1993). The number of safety union stitches per decimetre shall be between 9 and 11.

#### 4.4 Hemming at the Mouth

Provision of IS 9113 : 1993 shall apply.

#### 4.5 Joined Bag

Provision of IS 9113 : 1993 shall apply.

#### 4.6 Freedom from Defects

The cloth used for the bags should be generally free from weaving and sewing defects which effect the performance of the bag, such as missing picks, holes, cuts, tears, floats, crushed selvedges, spots, stains, gap stitches, loose ends and frayed ends.

### 5 SPECIFIC REQUIREMENTS

**5.1** The bag shall conform to the requirements specified in Table 1.

**5.2** The bales containing the bags shall conform to the requirements specified in Table 2.

**5.3** The contract moisture regain shall be 20 percent.

### 6 PACKING

The bags shall be packed in bales as prescribed in IS 2873 : 1991 or as specified in an agreement between the buyer and the seller.

**Table 1 Particulars of Heavy Cee Jute Bag**  
( Clause 5.1 )

Sl No.	Characteristic	Requirement	Tolerance	Method of Test
i)	Dimension of a bag :			
	a) Outside length	101.5 cm	+ 4 cm	IS 1954 : 1990
	b) Outside width	71.0 cm	- 0 cm	
ii)	Corrected weight per bag	1 020 g	+ 102 g - 76 g	Clause 8.5.2 of IS 9113 : 1993
iii)	Ends per dm	68	± 4	IS 1963 : 1981
iv)	Picks per dm	35	± 2	IS 1963 : 1981
v)	Average breaking load of sacking ( <i>Min</i> ) ( revelled strip method, 10 × 20 cm )			IS 1969 : 1985
	Warpway	160 kg	—	
	Weftway	180 kg	—	
vi)	Average breaking load of seam	67 kg	—	IS 9030 : 1979

NOTE — The buyer and the seller may agree to the dimensions other than those specified above. In that case, tolerance of + 4 cm shall apply; the weight of bags shall be proportional to the weight of standard bag ( 1 190 g, 112 × 67.5 cm ) with a tolerance of + 10 percent on bag weight. The weight of the bag may be calculated by the method given in 5.3 of IS 9113 : 1993.

**Table 2 Requirements of Packed Bales**  
( Clause 5.2 )

Sl No.	Characteristic	Requirement	Method of Test
i)	Total number of bags per bale	400	Clause 8.9 of IS 9113 : 1993
ii)	Number of joined bags per bundle of 25 bags	1	do
iii)	Contract weight of a bale	408 kg	—
iv)	Corrected net weight of a bale	Not less than contract weight	Clause 8.1 of IS 9113 : 1993
v)	Moisture regain	22 percent, <i>Max</i>	Clause 8.2 of IS 9113 : 1993
vi)	Oil content on dry deoiled material basis	8.0 percent, <i>Max</i>	IS 2969 : 1974

NOTE — The number of bags per bale shall be 400 or as specified in an agreement between the buyer and the seller.

## 7 MARKING

The bales shall be marked as prescribed in IS 2873 : 1991. Additional markings shall be made as stipulated by the buyer or required by the regulation or law in force.

## 8 SAMPLING AND CRITERIA FOR CONFORMITY

The sampling procedure and criteria for conformity as specified in IS 9113 : 1993 shall be followed.



### **Standard Mark**

The use of the Standard Mark is governed by the provisions of the *Bureau of Indian Standards Act, 1986* and the Rules and Regulations made thereunder. The Standard Mark on products covered by an Indian Standard conveys the assurance that they have been produced to comply with the requirements of that standard under a well defined system of inspection, testing and quality control which is devised and supervised by BIS and operated by the producer. Standard marked products are also continuously checked by BIS for conformity to that standard as a further safeguard. Details of conditions under which a licence for the use of the Standard Mark may be granted to manufacturers or producers may be obtained from the Bureau of Indian Standards.